

Brian B Johnson

List of Publications by Year in descending order

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21
papers

1,088
citations

758635

12
h-index

1058022

14
g-index

21
all docs

21
docs citations

21
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathways to the Next-Generation Power System With Inverter-Based Resources: Challenges and recommendations. IEEE Electrification Magazine, 2022, 10, 10-21.	1.8	14
2	Minimum Distortion Point Tracking. IEEE Transactions on Power Electronics, 2020, 35, 11013-11025.	5.4	5
3	Transient Stability Assessment of Multi-Machine Multi-Converter Power Systems. IEEE Transactions on Power Systems, 2019, 34, 3504-3514.	4.6	42
4	Decentralized Interleaving of Parallel-connected Buck Converters. IEEE Transactions on Power Electronics, 2019, 34, 4993-5006.	5.4	42
5	A Multilevel DC to Three-Phase AC Architecture for Photovoltaic Power Plants. IEEE Transactions on Energy Conversion, 2019, 34, 181-190.	3.7	35
6	Mitigating Communication Delays in Remotely Connected Hardware-in-the-Loop Experiments. IEEE Transactions on Industrial Electronics, 2018, 65, 9739-9748.	5.2	14
7	Synchronization of LiÄ©nard-type oscillators in heterogenous electrical networks. , 2018, , .		4
8	An Analytical TimeÄ©Domain Expression for the Net Ripple Produced by Parallel Interleaved Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 289-293.	2.2	6
9	Reduced-order structure-preserving model for parallel-connected three-phase grid-tied inverters. , 2017, , .		32
10	Synchronization of LiÄ©nard-type oscillators in uniform electrical networks. , 2016, , .		14
11	Synthesizing Virtual Oscillators to Control Islanded Inverters. IEEE Transactions on Power Electronics, 2016, 31, 6002-6015.	5.4	185
12	Virtual Oscillator Control subsumes droop control. , 2015, , .		29
13	Decentralized optimal dispatch of photovoltaic inverters in residential distribution systems. , 2015, , .		0
14	Optimal Dispatch of Residential Photovoltaic Inverters Under Forecasting Uncertainties. IEEE Journal of Photovoltaics, 2015, 5, 350-359.	1.5	47
15	Decentralized Optimal Dispatch of Photovoltaic Inverters in Residential Distribution Systems. IEEE Transactions on Energy Conversion, 2014, 29, 957-967.	3.7	120
16	Synchronization of nonlinear circuits in dynamic electrical networks. , 2014, , .		0
17	Synchronization of Nonlinear Oscillators in an LTI Electrical Power Network. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 834-844.	3.5	99
18	Oscillator-Based Inverter Control for Islanded Three-Phase Microgrids. IEEE Journal of Photovoltaics, 2014, 4, 387-395.	1.5	100

#	ARTICLE	IF	CITATIONS
19	Synchronization of Parallel Single-Phase Inverters With Virtual Oscillator Control. IEEE Transactions on Power Electronics, 2014, 29, 6124-6138.	5.4	206
20	Synchronization of Nonlinear Circuits in Dynamic Electrical Networks With General Topologies. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2677-2690.	3.5	53
21	Virtual Oscillator Control for voltage source inverters. , 2013, , .		41